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APPLICATION NO.		FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
09/847,391		05/02/2001	Vijaya Raghavan	04899-043001	04899-043001 6483 EXAMINER		
26161	7590	09/24/2004		EXAM			
FISH & RI		SON PC		DO, TH	DO, THUAN V		
225 FRANK BOSTON, 1		10	ART UNIT	PAPER NUMBER			
•				2825			
				DATE MAILED: 09/24/2004	1		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)	
		09/847,391	RAGHAVAN ET AL.	
Office Acti	on Summary	Examiner	Art Unit	
		Thuan Do	2825	
	ATE of this communication ap	pears on the cover sheet	with the correspondence address	
Period for Reply				
THE MAILING DATE C - Extensions of time may be av after SIX (6) MONTHS from tl - If the period for reply specified if NO period for reply is specified. - Failure to reply within the set	or extended period for reply will, by statute ce later than three months after the mailin	136(a). In no event, however, may a ly within the statutory minimum of the will apply and will expire SIX (6) MC e, cause the application to become	a reply be timely filed nirty (30) days will be considered timely. DNTHS from the mailing date of this communication ABANDONED (35 U.S.C. § 133).	n.
Status				
1) Responsive to co	ommunication(s) filed on <u>02 J</u>	<u>lune 2004</u> .		
2a)⊠ This action is FIN	IAL. 2b)☐ This	s action is non-final.		
3) Since this applic	ation is in condition for allowa	ince except for formal ma	atters, prosecution as to the merits is	5
closed in accord	ance with the practice under I	Ex parte Quayle, 1935 C	D. 11, 453 O.G. 213.	
Disposition of Claims				
4)⊠ Claim(s) <u>1-33</u> is/	are pending in the application	1.		
4a) Of the above	claim(s) is/are withdra	wn from consideration.		
5) Claim(s) i	s/are allowed.			
6)⊠ Claim(s) <u>1,2,7,1</u> 2	2-17 and 19-33 is/are rejected	i.		
7)⊠ Claim(s) <u>3-6,8-1</u>	1 and 18 is/are objected to.			
8) Claim(s) a	are subject to restriction and/o	or election requirement.		
Application Papers				
9) The specification	is objected to by the Examine	er.		`
10) The drawing(s) file	ed on is/are: a)□ acc	cepted or b) objected t	o by the Examiner.	
Applicant may not	request that any objection to the	drawing(s) be held in abey	ance. See 37 CFR 1.85(a).	
Replacement draw	ring sheet(s) including the correc	ction is required if the drawir	ng(s) is objected to. See 37 CFR 1.121(c	d).
11)☐ The oath or decla	ration is objected to by the E	xaminer. Note the attach	ed Office Action or form PTO-152.	
Priority under 35 U.S.C. {	119			
a)□ All b)□ Som	is made of a claim for foreigr e * c)⊡ None of: opies of the priority documen		§ 119(a)-(d) or (f).	
2.☐ Certified c	opies of the priority documen	ts have been received in	Application No	
•	·	-	en received in this National Stage	
• •	from the International Burea	•		
* See the attached	detailed Office action for a list	t of the certified copies no	ot received.	
Attachment(s)				
1) Notice of References Cited			v Summary (PTO-413)	
	atent Drawing Review (PTO-948) tement(s) (PTO-1449 or PTO/SB/08		o(s)/Mail Date f Informal Patent Application (PTO-152)	
Paper No(s)/Mail Date		′ 6) ☐ Other: _	•	

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DETAILED ACTION

1. This final office action is responsive to amendment entered on 06/02/2004. Claims 1-33 are pending in this office action.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

- (e) the invention was described in-
- (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effect under this subsection of a national application published under section 122(b) only if the international application designating the United States was published under Article 21(2)(a) of such treaty in the English language; or
- (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that a patent shall not be deemed filed in the United States for the purposes of this subsection based on the filing of an international application filed under the treaty defined in section 351(a).
- 2. Claims 1,2, 7,12-17,19-33 are rejected under 35 U.S.C. 102(e) as being unpatentable over Beardslee et al. Pat. No. 6618839.

Regarding claim 1: Beardslee teaches a method comprising:

receiving in the system a description of a finite state machine, the description including a temporal logic operator for defining a temporal logic condition (Figure 11; col. 34, lines 1-4 for event condition within a temporal logic condition and col. 36, lines 26-46 for temporal logic operator); and

generating code for emulating the described finite state machine (col. 1, line 57 through col. 2,line 8).

Regarding claim 2: Beardslee teaches a similar method with:

the received description comprises at least two state definitions and at least one definition of a transition between states (Figure 12); and

wherein the received description comprises a conditional expression associated with a first state of the finite state machine, the conditional expression comprising a first temporal logic condition defined by a first temporal logic operator operating on an event, the conditional expression defining a logical condition for taking a first action specified in the description (col. 34, lines 1-4); and

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wherein generating code for emulating the described finite state machine comprises generating code for evaluating (comparison of functions) the conditional expression during emulation (col. 1, line 57 through col. 2,line 8).

Regarding claims 7,12-17,19-24 and 28-33: These claims teach the similar features to the claim 1 and rejected in rationale.

Regarding claims 25,26:These claims teach a method, program or system similar to the function of claims 1-2 and rejected in similar manners except the edition is rejected in the column 5, lines 57-67.

Regarding claim 27: This claim teaches the similar features to the claim 1 and rejected in similar manner except building a graphical representation of the system using graphical elements provided in the modeling environment (col. 21, lines 22-30).

Allowable Subject Matter

Claims 3-6,8-11 and 18 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims

Response to Arguments

Applicant's arguments have been considered and the new search found the prior arts as resulting of above action.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

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the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

CONTACT INFORMATION

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thuan Do whose telephone number is 571-272-1891. The examiner can normally be reached on Monday-Friday 8:30-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew S. Smith can be reached on 571-272-1907. The fax phone numbers for the organization where this application or proceeding is assigned are 703 305-3431 for regular communications and 703-305-3431 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0596.

Thuan Do

Patent examiner

9/21/04